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**Appendix A**

**Programming codes for the new software**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.IO;

namespace AppFinder

{

public partial class appForm : Form

{

public appForm()

{

InitializeComponent();

}

private void showFiles\_SelectedIndexChanged(object sender, EventArgs e)

{

fPath.Text = showFiles.SelectedItem.ToString();

}

private void appForm\_Load(object sender, EventArgs e)

{

}

void DirSearch(string sDir)

{

try

{

foreach (string d in Directory.GetDirectories(sDir))

{

foreach (string f in Directory.GetFiles(d, txtFile.Text))

{

// lstFilesFound.Items.Add(f);

showFiles.Items.Add(f);

}

DirSearch(d);

}

}

catch (System.Exception ne)

{

//Console.WriteLine(excpt.Message);

MessageBox.Show(ne.Message);

}

}

private void btnSearch\_Click(object sender, EventArgs e)

{

// lstFilesFound.Items.Clear();

if (lblPath.Text != "")

{

try

{

txtFile.Enabled = false;

cboDirectory.Enabled = false;

btnSearch.Text = "Searching...";

this.Cursor = Cursors.WaitCursor;

Application.DoEvents();

DirSearch(lblPath.Text);

btnSearch.Text = "Search";

this.Cursor = Cursors.Default;

txtFile.Enabled = true;

cboDirectory.Enabled = true;

}

catch (System.IO.IOException ne)

{

MessageBox.Show(ne.Message);

}

}

else

{

MessageBox.Show("Please Browse Root Folder");

}

}

private void btnBroswe\_Click(object sender, EventArgs e)

{

DialogResult result = folderBrowserDialog1.ShowDialog();

if (result == DialogResult.OK)

{

//

// The user selected a folder and pressed the OK button.

// We print the number of files found.

//

// string[] files = Directory.GetFiles(folderBrowserDialog1.SelectedPath);

// fPath.Text = files.

//MessageBox.Show("Files found: " + files.Length.ToString(), "Message");

string path = folderBrowserDialog1.SelectedPath;

lblPath.Text = path;

}

}

private void btnDelete\_Click(object sender, EventArgs e)

{

if (System.IO.File.Exists(showFiles.SelectedItem.ToString()))

{

// Use a try block to catch IOExceptions, to

// handle the case of the file already being

// opened by another process.

try

{

System.IO.File.Delete(showFiles.SelectedItem.ToString());

showFiles.Items.Remove(showFiles.SelectedItem.ToString());

MessageBox.Show("File Deleted.......");

}

catch (System.IO.IOException ne)

{

Console.WriteLine(ne.Message);

return;

}

}

Designer codes

namespace AppFinder

{

partial class appForm

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

System.ComponentModel.ComponentResourceManager resources = new System.ComponentModel.ComponentResourceManager(typeof(appForm));

this.pictureBox1 = new System.Windows.Forms.PictureBox();

this.label1 = new System.Windows.Forms.Label();

this.panel1 = new System.Windows.Forms.Panel();

this.label2 = new System.Windows.Forms.Label();

this.txtFile = new System.Windows.Forms.TextBox();

this.btnSearch = new System.Windows.Forms.Button();

this.label3 = new System.Windows.Forms.Label();

this.panel2 = new System.Windows.Forms.Panel();

this.showFiles = new System.Windows.Forms.ComboBox();

this.fPath = new System.Windows.Forms.Label();

this.btnDelete = new System.Windows.Forms.Button();

this.cboDirectory = new System.Windows.Forms.ComboBox();

this.lblDirectory = new System.Windows.Forms.Label();

this.lblFile = new System.Windows.Forms.Label();

this.lblPath = new System.Windows.Forms.Label();

this.btnBroswe = new System.Windows.Forms.Button();

this.folderBrowserDialog1 = new System.Windows.Forms.FolderBrowserDialog();

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).BeginInit();

this.panel1.SuspendLayout();

this.panel2.SuspendLayout();

this.SuspendLayout();

//

// pictureBox1

//

this.pictureBox1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.pictureBox1.Image = ((System.Drawing.Image)(resources.GetObject("pictureBox1.Image")));

this.pictureBox1.Location = new System.Drawing.Point(456, 163);

this.pictureBox1.Name = "pictureBox1";

this.pictureBox1.Size = new System.Drawing.Size(242, 200);

this.pictureBox1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.CenterImage;

this.pictureBox1.TabIndex = 0;

this.pictureBox1.TabStop = false;

//

// label1

//

this.label1.BackColor = System.Drawing.SystemColors.ButtonHighlight;

this.label1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));

this.label1.Location = new System.Drawing.Point(-2, -2);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(715, 42);

this.label1.TabIndex = 1;

this.label1.Text = "HIGH ORDER DESIGN CONFLICT";

this.label1.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;

//

// panel1

//

this.panel1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.panel1.Controls.Add(this.label3);

this.panel1.Controls.Add(this.txtFile);

this.panel1.Controls.Add(this.btnSearch);

this.panel1.Controls.Add(this.label2);

this.panel1.Location = new System.Drawing.Point(456, 57);

this.panel1.Name = "panel1";

this.panel1.Size = new System.Drawing.Size(242, 100);

this.panel1.TabIndex = 8;

//

// label2

//

this.label2.BackColor = System.Drawing.SystemColors.ButtonHighlight;

this.label2.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.label2.Location = new System.Drawing.Point(-1, -4);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(242, 24);

this.label2.TabIndex = 2;

this.label2.Text = "SEARCH SEETING";

this.label2.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// txtFile

//

this.txtFile.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.txtFile.Location = new System.Drawing.Point(6, 39);

this.txtFile.Name = "txtFile";

this.txtFile.Size = new System.Drawing.Size(221, 20);

this.txtFile.TabIndex = 4;

this.txtFile.Text = "\*.txt";

//

// btnSearch

//

this.btnSearch.Location = new System.Drawing.Point(3, 66);

this.btnSearch.Name = "btnSearch";

this.btnSearch.Size = new System.Drawing.Size(224, 29);

this.btnSearch.TabIndex = 3;

this.btnSearch.Text = "Search";

this.btnSearch.UseVisualStyleBackColor = true;

this.btnSearch.Click += new System.EventHandler(this.btnSearch\_Click);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Location = new System.Drawing.Point(3, 23);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(80, 13);

this.label3.TabIndex = 5;

this.label3.Text = "Enter File name";

//

// panel2

//

this.panel2.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.panel2.Controls.Add(this.btnDelete);

this.panel2.Controls.Add(this.btnBroswe);

this.panel2.Controls.Add(this.lblPath);

this.panel2.Controls.Add(this.fPath);

this.panel2.Controls.Add(this.showFiles);

this.panel2.Location = new System.Drawing.Point(9, 57);

this.panel2.Name = "panel2";

this.panel2.Size = new System.Drawing.Size(438, 306);

this.panel2.TabIndex = 9;

//

// showFiles

//

this.showFiles.DropDownStyle = System.Windows.Forms.ComboBoxStyle.Simple;

this.showFiles.FormattingEnabled = true;

this.showFiles.Location = new System.Drawing.Point(3, 33);

this.showFiles.Name = "showFiles";

this.showFiles.Size = new System.Drawing.Size(420, 228);

this.showFiles.TabIndex = 8;

this.showFiles.SelectedIndexChanged += new System.EventHandler(this.showFiles\_SelectedIndexChanged);

//

// fPath

//

this.fPath.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.fPath.Location = new System.Drawing.Point(174, 263);

this.fPath.Name = "fPath";

this.fPath.Size = new System.Drawing.Size(249, 28);

this.fPath.TabIndex = 11;

this.fPath.TextAlign = System.Drawing.ContentAlignment.MiddleLeft;

//

// btnDelete

//

this.btnDelete.Location = new System.Drawing.Point(3, 263);

this.btnDelete.Name = "btnDelete";

this.btnDelete.Size = new System.Drawing.Size(420, 29);

this.btnDelete.TabIndex = 10;

this.btnDelete.Text = "Delete";

this.btnDelete.UseVisualStyleBackColor = true;

this.btnDelete.Click += new System.EventHandler(this.btnDelete\_Click);

//

// cboDirectory

//

this.cboDirectory.FormattingEnabled = true;

this.cboDirectory.Location = new System.Drawing.Point(476, 392);

this.cboDirectory.Name = "cboDirectory";

this.cboDirectory.Size = new System.Drawing.Size(121, 21);

this.cboDirectory.TabIndex = 12;

//

// lblDirectory

//

this.lblDirectory.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.lblDirectory.Location = new System.Drawing.Point(13, 416);

this.lblDirectory.Name = "lblDirectory";

this.lblDirectory.Size = new System.Drawing.Size(289, 28);

this.lblDirectory.TabIndex = 11;

this.lblDirectory.Text = "dir";

//

// lblFile

//

this.lblFile.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.lblFile.Location = new System.Drawing.Point(308, 416);

this.lblFile.Name = "lblFile";

this.lblFile.Size = new System.Drawing.Size(289, 28);

this.lblFile.TabIndex = 10;

this.lblFile.Text = "Search for files containing:";

//

// lblPath

//

this.lblPath.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.lblPath.Location = new System.Drawing.Point(2, 5);

this.lblPath.Name = "lblPath";

this.lblPath.Size = new System.Drawing.Size(383, 19);

this.lblPath.TabIndex = 12;

this.lblPath.TextAlign = System.Drawing.ContentAlignment.MiddleLeft;

//

// btnBroswe

//

this.btnBroswe.Location = new System.Drawing.Point(391, 3);

this.btnBroswe.Name = "btnBroswe";

this.btnBroswe.Size = new System.Drawing.Size(32, 22);

this.btnBroswe.TabIndex = 13;

this.btnBroswe.Text = "...";

this.btnBroswe.UseVisualStyleBackColor = true;

this.btnBroswe.Click += new System.EventHandler(this.btnBroswe\_Click);

//

// appForm

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(710, 372);

this.Controls.Add(this.cboDirectory);

this.Controls.Add(this.lblDirectory);

this.Controls.Add(this.lblFile);

this.Controls.Add(this.panel2);

this.Controls.Add(this.panel1);

this.Controls.Add(this.label1);

this.Controls.Add(this.pictureBox1);

this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;

this.MaximizeBox = false;

this.Name = "appForm";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Load += new System.EventHandler(this.appForm\_Load);

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();

this.panel1.ResumeLayout(false);

this.panel1.PerformLayout();

this.panel2.ResumeLayout(false);

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.PictureBox pictureBox1;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Panel panel1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox txtFile;

private System.Windows.Forms.Button btnSearch;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.Panel panel2;

private System.Windows.Forms.ComboBox showFiles;

private System.Windows.Forms.Label fPath;

private System.Windows.Forms.Button btnDelete;

private System.Windows.Forms.ComboBox cboDirectory;

private System.Windows.Forms.Label lblDirectory;

private System.Windows.Forms.Label lblFile;

private System.Windows.Forms.Button btnBroswe;

private System.Windows.Forms.Label lblPath;

private System.Windows.Forms.FolderBrowserDialog folderBrowserDialog1;

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Windows.Forms;

namespace AppFinder

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new appForm());

}

}

}

**Appendix B**

**Sample Output**

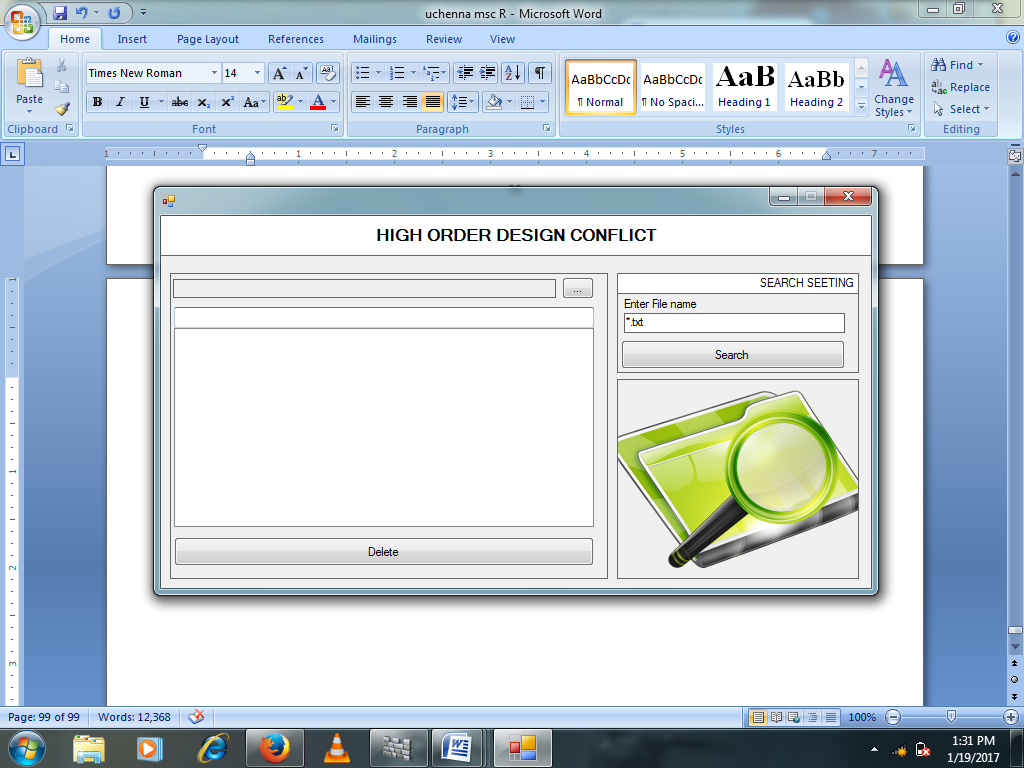
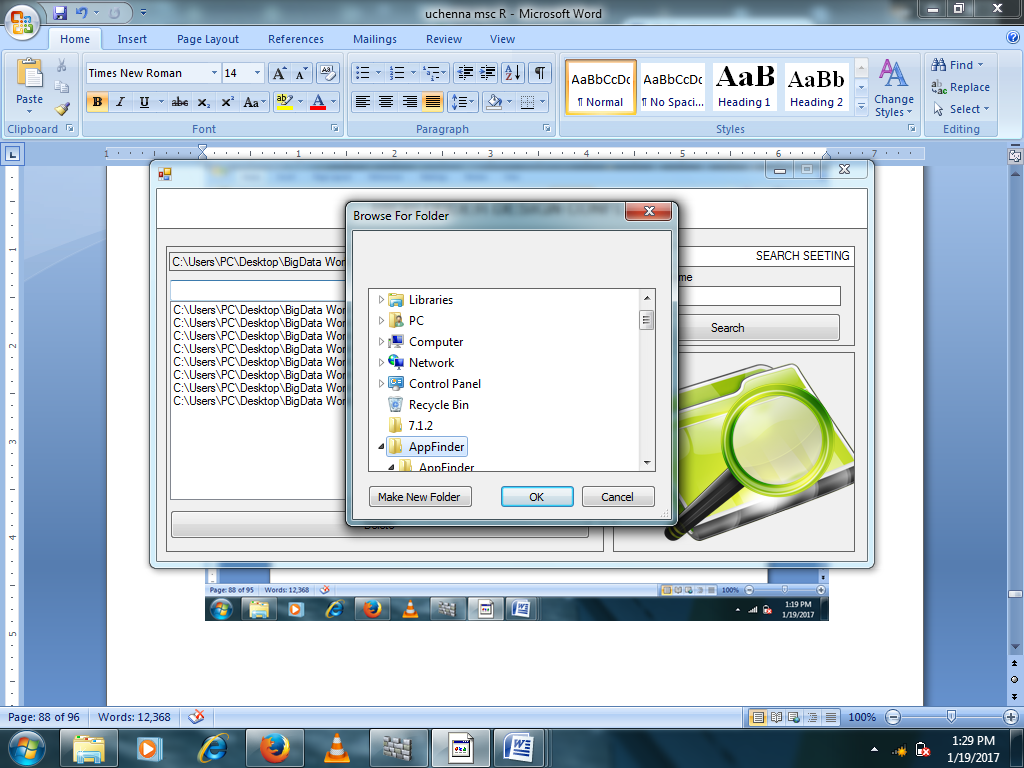
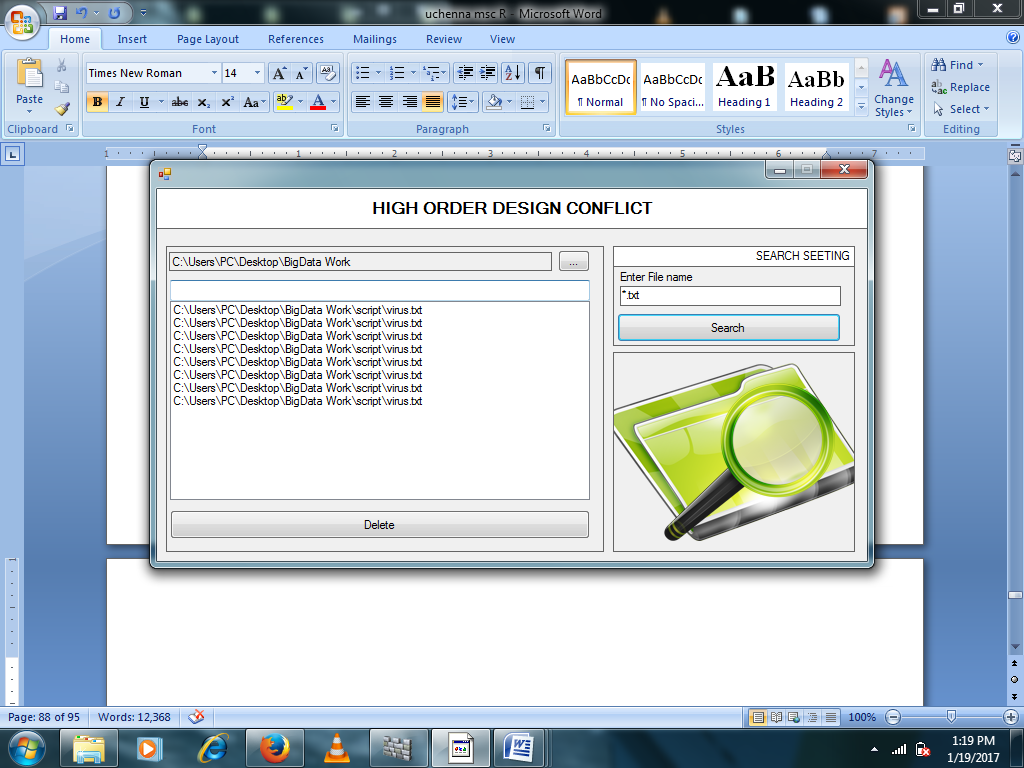
****

Fig.4.2: Home page for the new software

****

**Fig.4.5: searching for files to be scan**

****

**Fig.4.6: interface for scan file and detection of conflict**